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WATER SUPPLY OUTLOOK FOR WYOMING



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

STATE ENGINEER of WYOMING

AS OF
MAR. 1, 1978

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.



Released by

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CASPER, WYOMING

In Cooperation with

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Report prepared by

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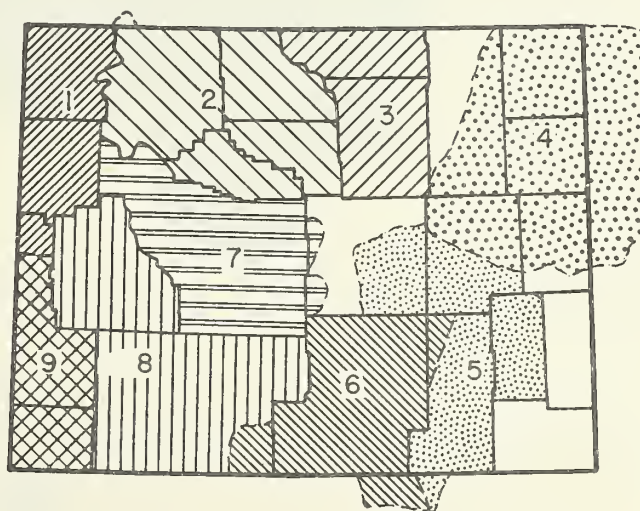
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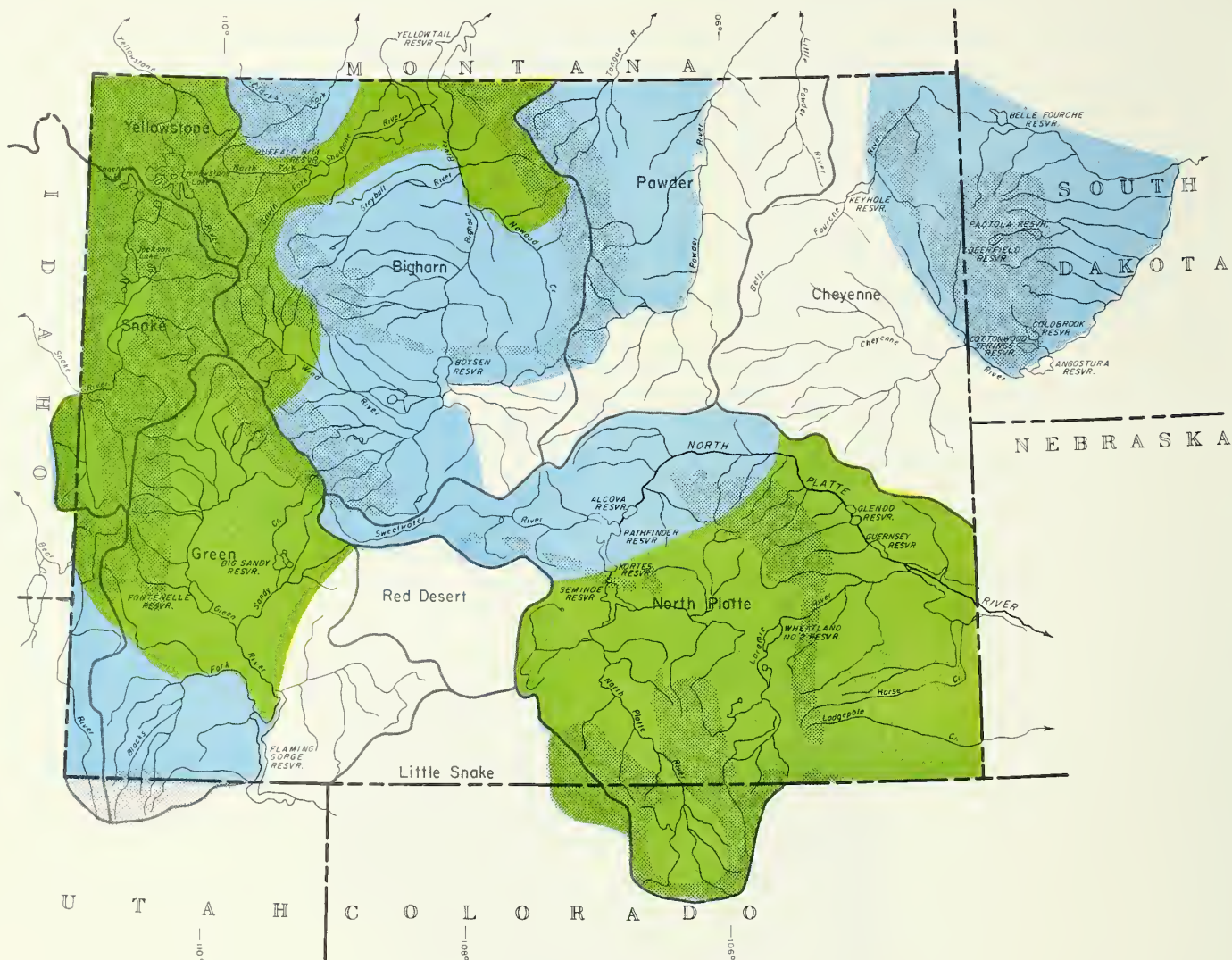


WATERSHED AREA LOCATIONS

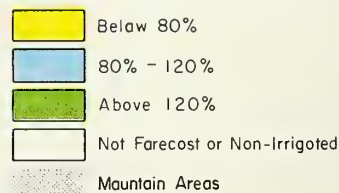
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

March 1, 1978

50 0 50 MILES
SCALE 1 : 4,250,000



FORECAST STREAM FLOW
in Percent of 1958-1972 Year Average





Old Battle snow course at about one-third of normal one year ago.

WYOMING SUMMARY as of MARCH 1, 1978

* * * * *

* Wyoming water supplies are expected to be average to excellent this spring and summer. Well above average snowpacks are reported in spite of some reductions since last month. The outlook for relief from last year's drought conditions appears very promising.

* * * * *

SNOWPACK

Mountain snowpack rate of increase during February has slowed somewhat compared to the early part of the season before February 1. The percent of average figures for March 1 are generally about 10 percent below February 1 percentages.

Near normal conditions still prevail in the northeastern and southwestern mountain ranges. Southeastern and northwestern areas still boast 30 to 40 percent above normal March 1 accumulations. The Little Popo Agie drainage is lowest.

PRECIPITATION

Lower elevation precipitation during February ranged from twice the normal monthly increments in northern Wyoming to near or slightly below normal in the southern part of the state. Seasonal totals (since October 1, 1977) are 150 to 200 percent of normal in the northern half to slightly below normal in southern Wyoming.

STREAMFLOW

Normal amounts of precipitation that are expected during the spring months should insure average to excellent spring and summer streamflow volumes. Deer Creek is the exception which is forecast at 25 percent below normal. Forecasts over the state range from near average in the Powder, Tongue, Bighorn, Wind and Lower Green River basins to 20 to 30 percent above normal in the North Platte, Snake, Shoshone and Upper Green River basins.

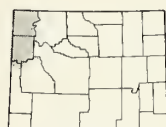
RESERVOIR STORAGE

Reservoir storage remains below normal in the Snake and Belle Fourche drainages (Jackson Lake at 62 percent and Palisades at 36 percent of normal). Bighorn, Wind and North Platte storage is near to slightly above normal.

WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

MARCH 1, 1978



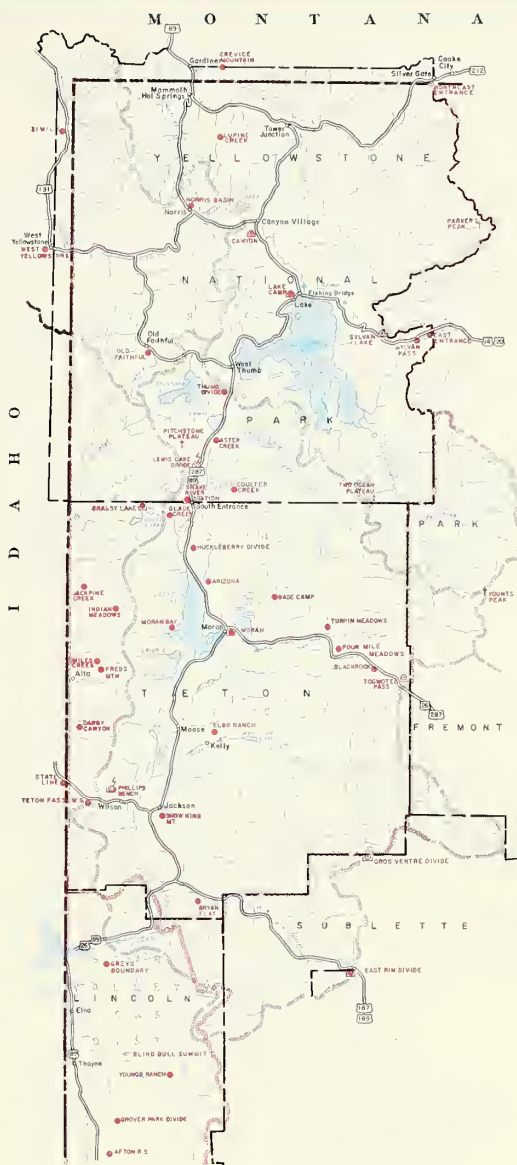
LOCATION MAP



LEGEND

- SHOTEL
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage-Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

0 10 20 MILES
SCALE 1:1,815,000



YOUR WATER SUPPLY

EXCELLENT WATER SUPPLIES ARE FORECAST FOR THE SPRING AND SUMMER MONTHS IN THIS AREA. THE SNOWPACK REMAINS 30-50% ABOVE NORMAL THROUGHOUT THE AREA. STREAMFLOW FORECASTS RANGE FROM 122% OF NORMAL ON THE YELLOWSTONE TO 142% OF NORMAL ON THE GREYS RIVER. RESERVOIR STORAGE IS ONLY 47% OF NORMAL ON THE SNAKE AS A RESULT OF LAST YEAR'S DROUGHT.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Yellowstone River at Yellowstone Lake Outlet	1000	122	Apr-Sept	387	821
Snake River near Moran (1)	1140	133	Apr-Sept	340	858
Snake River above Palisades near Alpine (1)	3540	135	Apr-Sept	1037	2621
Snake River at Heise (2)	5250	133	Apr-Sept	1494	3946
Pacific Creek at Moran	238	141	Apr-Sept	--	169
Greys River above Palisades	550	142	Apr-Sept	90	388
Salt River above Palisades near Etna	505	138	Apr-Sept	121	365
Palisades Reservoir Inflow (1)	4950	134	Apr-Sept	1031	3683
Swift Creek near Afton	- Not forecast -		May-Sept	--	45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo. only)	4	398	141
Yellowstone (Wyo. only)	8	358	129
Snake ab. Jackson Lake	10	434	130
Pacific Creek	3	442	132
Buffalo Creek	5	343	142
Gros Ventre River	3	372	128
Hoback River	5	520	135
Greys River	3	510	148
Salt River	5	505	146

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	8.9	10.6	10.3
Jackson Lake	847.0	333.2	597.9	533.3
Palisades	1200.0	294.9	1083.3	809.0

† 1958-1972 period.

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SOIL CONSERVATION SERVICE
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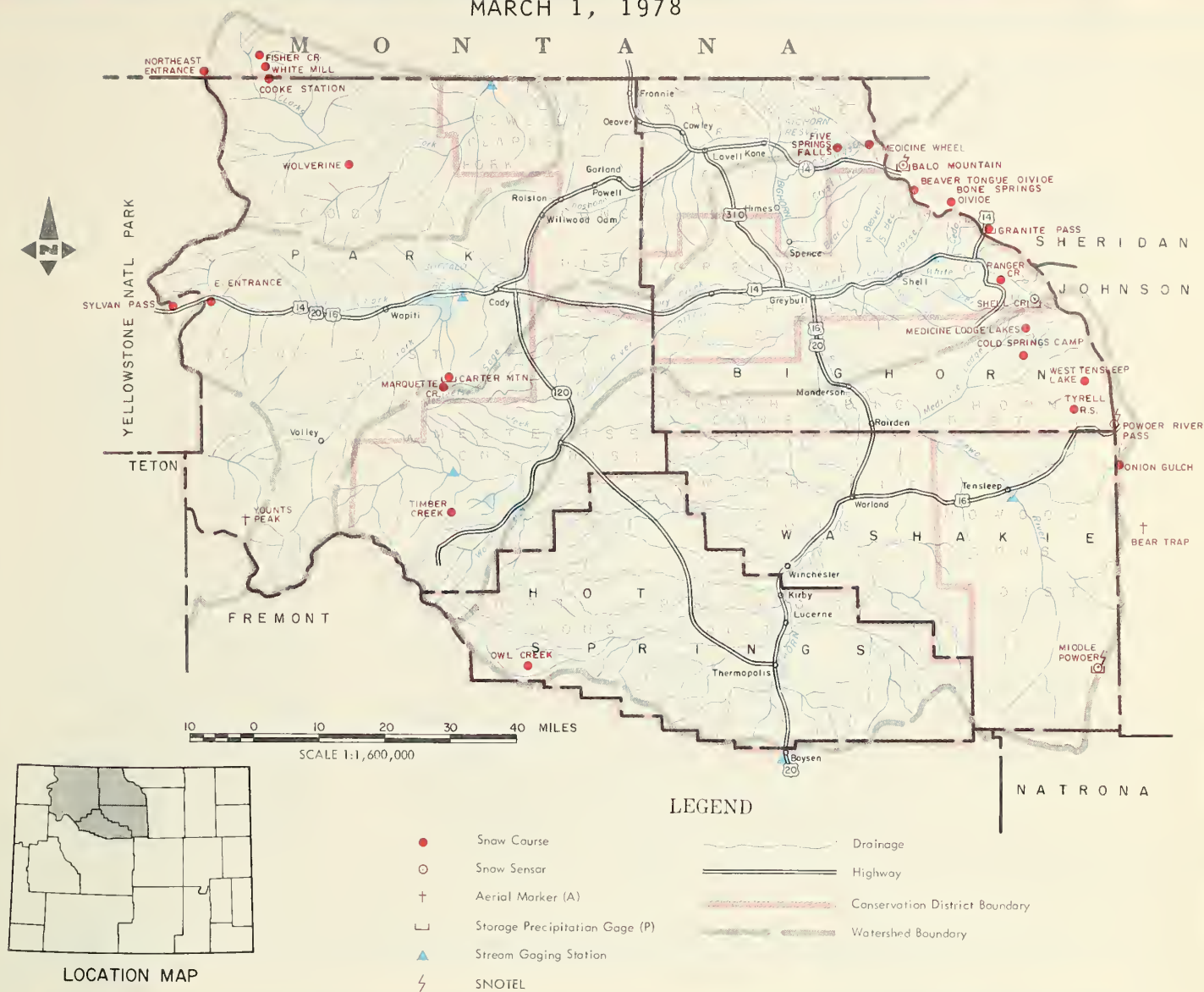


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

MARCH 1, 1978



YOUR WATER SUPPLY

ABOVE AVERAGE WATER SUPPLIES ARE FORECAST FOR MOST OF THE BIGHORN BASIN. THE SNOWPACK IS BELOW AVERAGE ON PORTIONS OF THE GREYBULL WATERSHED, BUT ABOVE AVERAGE THROUGHOUT THE REMAINDER OF THE BASIN. ALL STREAMFLOW FORECASTS ARE AT OR ABOVE NORMAL FOR THE SPRING AND SUMMER RUNOFF PERIOD.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River below Boysen (1)	1110	110	Apr-Sept	479	1006
Tensleep Creek near Tensleep	77	97	Apr-Sept	-	79
Medicine Lodge Creek near Hyattville	23	110	Apr-Sept	-	21
Shell Creek near Shell	90	123	Apr-Sept	55	73
Greybull River at Meeteetse	230	110	Apr-Sept	134	209
Shoshone River below Buffalo Bill Dam (2)	1100	133	Apr-Sept	381	827
Clarks Fork near Belfry	780	129	Apr-Sept	-	607

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	5	288	139
Shoshone	3	340	157
Nowood	5	158	112
Shell	4	155	130
Greybull	1	850	63

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches) Last Yr.	Ave.†
Bald Mountain	2/28	84	26.3	21.0	19.2
Bear Trap Aerial	2/23	38	9.5	6.3	7.9
Bone Spring Divide	2/27	64	19.2	13.8	15.8
Carter Mountain	-Late Report-			1.4	3.6
Cooke Station	2/28	84	27.0	8.8	17.6
East Entrance	3/01	50	15.1	3.4	9.2
Fisher Creek	2/28	121	41.7	17.2	32.6
Five Springs Falls	2/28	42	10.5	8.3	7.4
Marquette Creek	-Late Report-			2.6	-
Medicine Lodge Lakes	2/23	49	14.0	6.8	10.6
Middle Powder	2/26	29	8.8	10.7	9.8
Northeast Entrance	3/03	48	13.4	5.0	8.4
Onion Gulch	2/23	36	8.5	5.3	8.4
Owl Creek	2/28	18	3.2	1.7	4.6
Powder River Pass	2/23	47	13.2	6.8	11.8
Ranger Creek	2/27	45	10.9	5.8	8.9
Shell Creek	2/27	61	18.1	7.6	13.5
Sylvan Pass	3/01	61	17.8	5.2	11.9
Timber Creek	2/28	12	1.7	0.2	2.7
Tyrell R.S.	2/23	37	9.7	4.7	7.7
White Mill	2/28	104	32.3	10.4	24.1
Wolverine	3/01	54	16.2	4.0	11.1
Younts Peak	3/02	66	23.8	10.0	-

+ 1958-1972 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	298.6	295.3	262.0
Buffalo Bill	373.1	148.5	171.3	150.7
Bighorn	1356.0	820.8	870.0	800.8
Upper Sunshine	53.0	N.R.	42.1	-
Lower Sunshine	58.9	N.R.	42.0	-

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE POWDER AND TONGUE WATERSHEDS IN WYOMING

MARCH 1, 1978



YOUR WATER SUPPLY

ABOVE AVERAGE WATER SUPPLIES ARE FORECAST FOR THE POWDER AND TONGUE WATERSHEDS. THE MOUNTAIN SNOWPACK IS 5-15% ABOVE THE MARCH 1 AVERAGE. AVERAGE TO ABOVE AVERAGE STREAMFLOW VOLUMES CAN BE EXPECTED DURING THE SPRING AND SUMMER MONTHS.

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
Tongue River near Dayton	120	106	Apr-Sept	107	113
Middle Fork Powder River near Barnum	- Not forecast -		Apr-Sept	-	23*
North Fork Powder River near Hazelton	10.5	105	Apr-Sept	7.7	10
Clear Creek near Buffalo	- Not forecast -		Apr-Sept	25.4	36
Rock Creek near Buffalo	- Not forecast -		Apr-Sept	-	23
Piney Creek at Kearny	- Not forecast -		Apr-Sept	-	49

* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 * Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Tongue River	6	119	112
Goose Creek	4	171	113
Clear Creek	4	197	105
Crazy Woman Creek	3	212	110
Powder River	4	137	106

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC.	
		Snow Depth (In.)	Water Cont (In.)	Water Content (Inches) Last Yr.	Ave.†
Bald Mountain	2/28	84	26.3	21.0	19.2
Bear Trap Aerial	2/23	38	9.5	6.3	7.9
Big Goose	2/27	32	6.1	4.9	6.5
Bone Spring Divide	2/27	64	19.2	13.8	15.8
Burgess R.S.	2/27	36	8.3	8.4	6.8
Cloud Peak Aerial	2/23	37	8.9	6.9	10.2
Dome Lake	2/27	38	8.3	6.0	8.4
Five Springs Falls	2/28	42	10.5	8.3	7.4
Geneva Pass Aerial	2/23	66	16.5	10.1	15.1
Middle Powder	2/26	29	8.8	10.7	9.8
Muddy Creek G.S.	2/23	19	4.2	0.1	3.4
North Tongue	2/27	48	12.7	11.0	11.7
Onion Gulch	2/23	36	8.5	5.3	8.4
Powder River Pass	2/23	47	13.2	6.8	11.8
Sawmill Divide	2/27	50	12.4	9.6	-
Shell Creek	2/27	61	18.1	7.6	13.5
Soldier Park	2/23	30	6.0	2.1	5.0
Sour Dough	2/23	28	6.3	1.7	5.9
Steamboat Point	2/27	33	8.1	6.5	6.9
Sucker Creek	2/27	48	11.8	11.9	11.8
Wood Rock G.S.	2/27	43	9.9	7.3	9.3

A - Aerial stadia marker. Water content estimated. † 1958-1972 period

RESERVOIR STORAGE (Thousand Ac. Ft.)

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
- No Reservoir Data -				

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA



YOUR WATER SUPPLY

AVERAGE WATER SUPPLIES ARE FORECAST FOR THE BLACK HILLS WATERSHEDS. THE MOUNTAIN SNOWPACK IS CURRENTLY 10% BELOW NORMAL, BUT STORAGE IN THE MAJOR RESERVOIRS IS ABOVE THE MARCH 1 AVERAGE.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year
- No forecasts for this area -				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Belle Fourche	4	71	90.

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches) Last Yr.	Ave. +
Bearlodge Divide	2/28	21	4.4	4.2	3.4
Mallo Pillow	2/25	29	5.8	10.2	-
Mount Tom Pillow	- No Report	-	-	7.7	-
Reuter Canyon	2/27	31	8.4	11.8	8.8
Sweetwater Mountain Pillow	2/25	26	3.0	7.1	-
Upper Spearfish	2/23	27	5.4	8.8	6.5
Warren Peak	2/27	27	7.0	10.8	9.3

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Keyhole	190.4	103.2	122.4	75.4
Belle Fourche	185.2	85.7	68.9	100.6
Angostura	86.2	28.3	40.6	55.3
Deerfield	15.1	15.1	14.7	11.1
Pactola	55.0	48.8	53.0	38.7
Shadehill	81.5	60.6	60.7	49.0

+ 1958-1972 period

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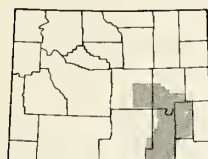


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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

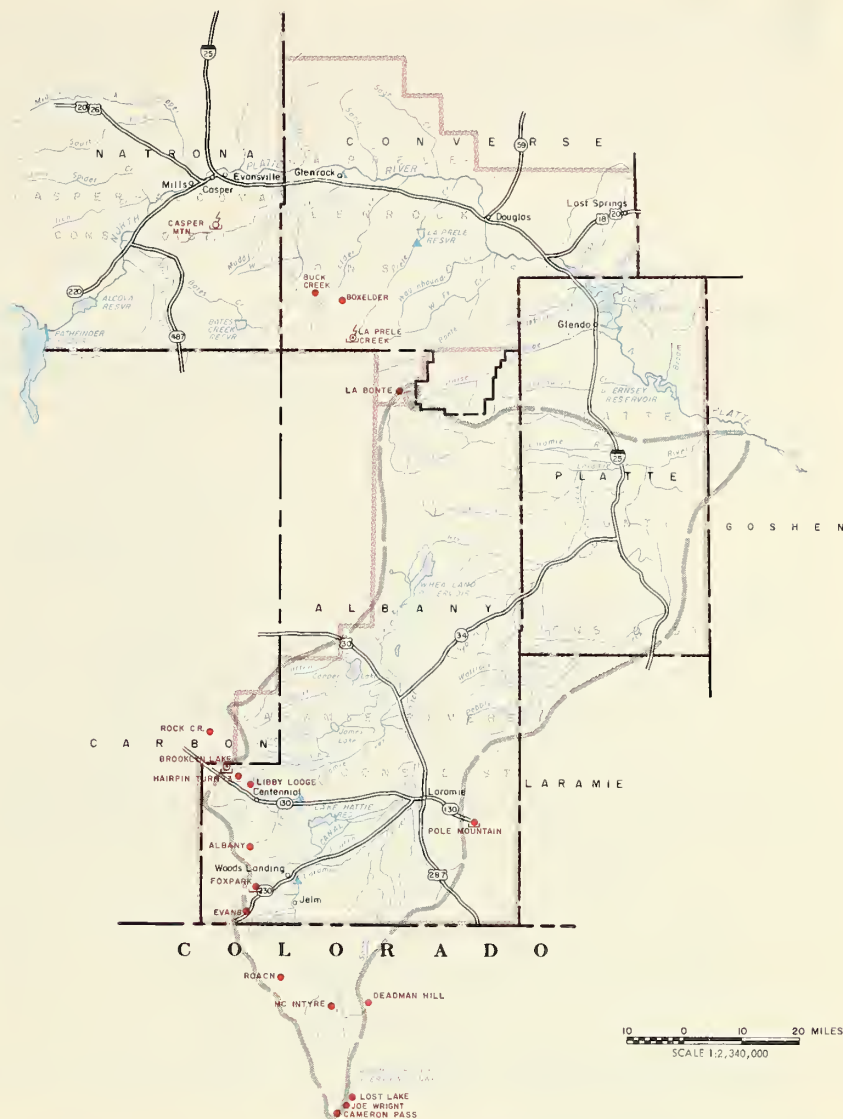
MARCH 1, 1978



LOCATION MAP



- LEGEND**
- SNOTEL
 - Snow Course
 - Snow Sensor
 - Storage Precipitation Gage (P)
 - Stream Gaging Station
 - Drainage
 - Highway
 - Conservation District Boundary
 - Watershed Boundary



YOUR WATER SUPPLY

EXCELLENT WATER SUPPLIES ARE FORECAST FOR MOST OF THE LOWER PLATTE BASIN. THE SNOWPACK IS GENERALLY 30-40% ABOVE NORMAL WITH EXCELLENT STREAMFLOW VOLUMES EXPECTED DURING THE SPRING AND SUMMER MONTHS. THE EXCEPTION IS A LOW SNOWPACK ON CASPER MOUNTAIN WITH A RESULTING FORECAST ON DEER CREEK AT 25% BELOW NORMAL.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	850	131	Apr-Sept	257	648
Deer Creek at Glenrock	19.5	75	Mar-July	30	26
LaPrele Creek near Douglas (Ab. Reservoir)	19	106	Mar-July	13.2	18
Laramie River & Pioneer Canal near Woods (1)	152	120	Apr-Sept	67	127
Little Laramie River near Filmore	84	135	Apr-Sept	32	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
 ** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Laramie River	13	338	140
Lower North Platte	3	111	95

RESERVOIR STORAGE (Thousand Ac. Ft.)

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	304.5	487.7	333.8
Pathfinder	1015.9	428.6	747.8	383.0
Alcova	30.7	1.0	2.6	2.2
Glendo	783.7	385.7	375.0	364.0*
Guernsey	45.2	15.0	7.1	15.1
Wheatland No. 2	98.9	16.5e	32.6	41.5

* Less than 15 years
 e Estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Last Yr.	Ave. †
Albany	2/23	51	16.7	5.6	13.7
Boxelder	2/26	22	7.0	5.1	5.9
Brooklyn Lake	2/23	72	26.5	5.7	18.8
Buck Creek	2/26	28	6.8	5.8	-
Cameron Pass	3/01	82	29.1	10.9	22.5
Casper Mountain	2/28	33	7.7	9.7	11.3
Deadman Hill	2/27	48	15.4	3.9	14.1
Evans	3/01	51	15.7	4.1	9.6
Foxpark	2/23	38	11.1	3.2	6.4
Hairpin Turn	2/24	60	21.5	5.9	14.5
Joe Wright	3/01	82	27.1	11.6	21.1
LaBonte	2/23	24	5.8	3.7	4.3
Libby Lodge	2/24	45	14.7	3.1	9.9
Lost Lake	2/28	47	14.0	3.0	10.2
Pole Mountain	2/24	20	4.8	3.0	4.7
Roach	2/27	58	18.0	6.5	8.8
Rock Creek	2/23	77	23.8	12.3	21.2

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Northgate	320	133	Apr-Sept	63	240
North Platte River near Sinclair	850	131	Apr-Sept	257	648
Encampment River near Encampment	178	126	Apr-Sept	55	141
Rock Creek near Arlington	74	135	Apr-Sept	32	55
Little Snake near Dixon	390	130	Apr-Sept	55	301
Little Snake near Slater, Colo.	190	131	Apr-Sept	-	145

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	15	275	133
Medicine Bow River and Rock Creek	4	273	121
Little Snake	2	347	132

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	304.5	487.7	333.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave †
Albany	2/23	51	16.7	5.6	13.7
Battle Mountain	2/24	40	12.5	3.8	-
Brooklyn Lake	2/23	72	26.5	5.7	18.8
Butter Hill	2/24	48	15.7	5.2	-
Cameron Pass	3/01	82	29.1	10.9	22.5
Deep Creek	2/24	50	16.2	5.6	-
Deep Lake	2/23	120	38.4	15.8	35.2
Elkhorn	2/24	80	29.8	10.0	-
Evans	3/01	51	15.7	4.1	9.6
Foxpark	2/23	38	11.1	3.2	6.4
Hairpin Turn	2/24	60	21.5	5.9	14.5
Haskins Creek	2/24	96	35.1	9.2	-
LaBonte	2/23	24	5.8	3.7	4.3
Libby Lodge	2/24	45	14.7	3.1	9.9
Moss Lake	2/23	80	28.5	9.2	21.4
North Barrett Creek	2/23	65	18.8	11.1	17.8
North French Creek Pillow	2/24	-	25.5	10.5	19.0
Old Battle	2/24	94	37.6	9.5	28.6
Purgatory Gulch	2/24	31	8.9	3.1	-
Rock Creek	2/23	77	23.8	12.3	21.2
Ryan Park	2/23	45	12.3	5.8	9.9
Sandstone R.S.	2/24	54	18.2	6.0	-
Webber Spring	2/24	65	25.3	7.0	17.4
Whiskey Creek	2/24	85	31.6	11.4	-

+ 1958-1972 period

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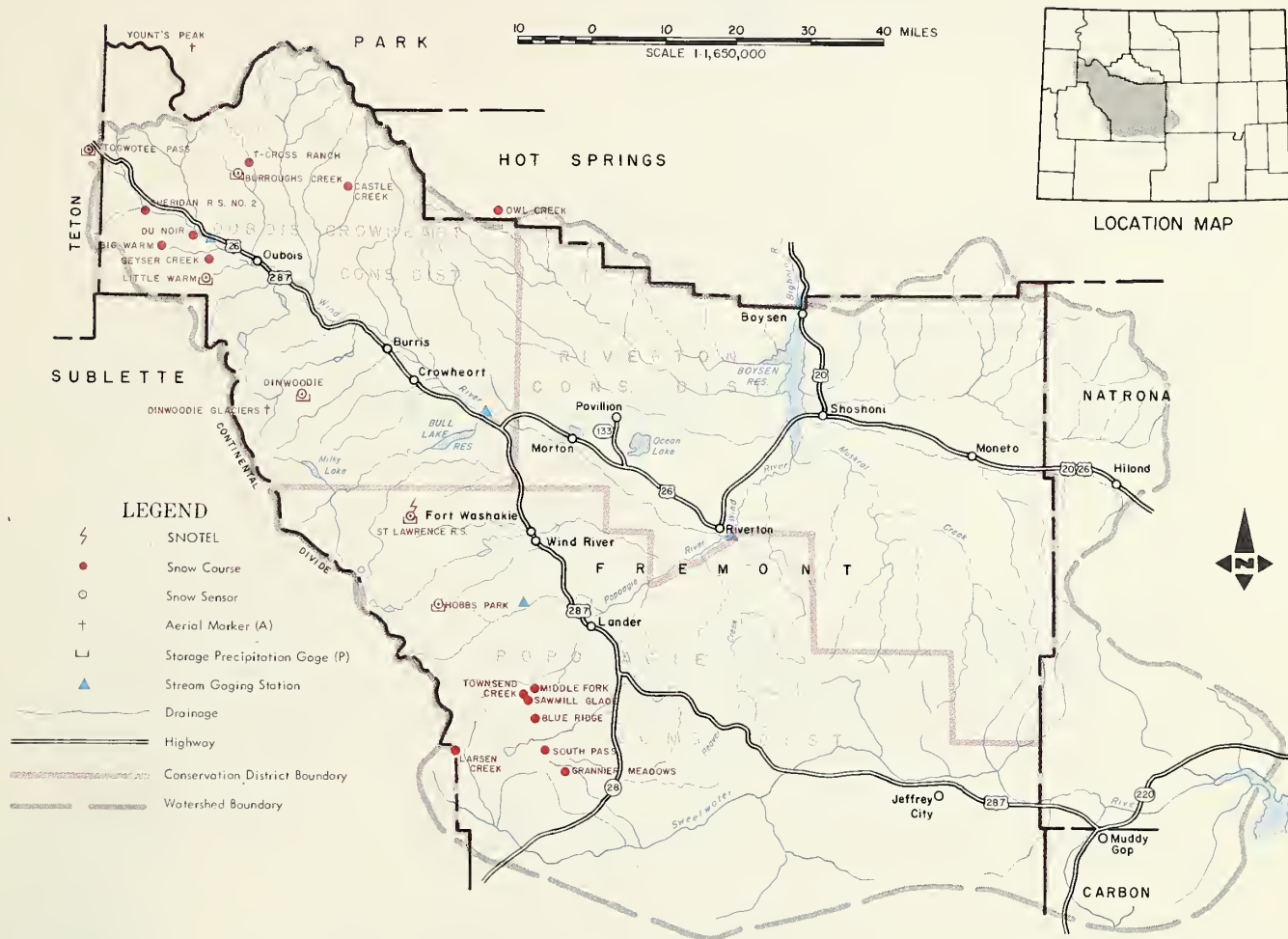


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

MARCH 1, 1978



YOUR WATER SUPPLY

THE WATER SUPPLY FORECASTS RANGE FROM SLIGHTLY BELOW AVERAGE FOR STREAMS ORIGINATING IN THE SOUTHEAST PORTION OF THE WIND RIVER MOUNTAINS TO EXCELLENT IN THE UPPER WIND RIVER BASIN. THE SNOWPACK RANGES FROM 15-30% BELOW NORMAL IN THE SOUTHERN PORTION OF THE BASIN TO 40-90% ABOVE NORMAL IN THE NORTHERN PORTION. RESERVOIR STORAGE IN THE WIND RIVER SYSTEM IS CURRENTLY 107% OF AVERAGE.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
BASIN, STREAM and/or FORECAST POINT					
Wind River near Dubois	153	150	Apr-Sept	42	102
Wind River at Riverton (1)	840	127	Apr-Sept	292	664
Wind River below Boysen (2)	1110	110	Apr-Sept	479	1006
Bull Lake Creek near Lenore (3)	181	99	Apr-Sept	105	182
Little Popo Agie near Lander	42	88	Apr-Sept	20	48
<i>(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.</i>					
<i>(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to</i>					

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Wind River	9	589	143
Popo Agie	5	233	88
Sweetwater	3	324	112

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	80.0	53.6	79.3
Pilot Butte	31.6	5.8	8.1	16.4
Boysen	549.9	298.6	295.3	262.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Last Yr	Ave †
Big Warm Springs	2/25	27	6.7	0.6	5.9
Blue Ridge	2/27	33	9.8	4.0	10.0
Burroughs Creek	2/26	58	20.6	2.5	11.9
Castle Creek	2/27	28	7.0	1.0	-
Dinwoody	2/24	37	11.0	1.6	10.2
DuNoir	2/25	36	10.1	1.3	6.8
Geyser Creek	2/25	35	9.8	0.0	6.1
Grannier Meadows	3/03	41	13.4	5.5	11.8
Hobbs Park	2/24	34	9.3	3.3	11.1
Larsen Creek	2/24	46	14.2	3.0	11.7
Little Warm	2/25	61	19.2	3.7	13.8
Middle Fork	2/27	15	2.8	3.7	-
Owl Creek	2/28	18	3.2	1.7	4.6
Sawmill Glade	2/27	18	5.7	4.8	7.3
Sheridan Ranger Station	2/25	34	9.2	1.6	6.8
South Pass	3/03	44	12.6	3.9	12.3
St. Lawrence R.S.	2/24	20	3.4	1.5	5.6
T-Cross Ranch	2/26	40	10.6	0.1	5.7
Togwotee Pass	3/01	97	35.4	11.1	25.4
Younts Peak Aerial	3/02	66	23.8	10.0	-

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

MARCH 1, 1978



YOUR WATER SUPPLY

EXCELLENT WATER SUPPLIES CAN BE EXPECTED IN THE UPPER GREEN RIVER BASIN. THE MOUNTAIN SNOWPACK IS ALMOST $1\frac{1}{2}$ TIMES THE MARCH 1 AVERAGE. ALL STREAMFLOW VOLUMES ARE FORECAST ABOVE AVERAGE AND RESERVOIR STORAGE IS 107% OF NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	420	128	Apr-Sept	165	327
Green River near LaBarge	1260	135	Apr-Sept	288	931
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Flaming Gorge Inflow	1450	124	Apr-July	1233	1174
LaBarge Creek at LaBarge Meadows	11.7	130	Apr-Sept	2.6	9.0
Big Sandy River near Big Sandy	65	114	Apr-Sept	26	57

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Green, East side	7	491	137
Upper Green, West side	6	222	147
Big Sandy	1	430	138

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Eden	11.8	2.4	6.2	2.6*
Big Sandy	38.3	9.5	19.6	15.2
Fontenelle	344.8	221.6	188.4	-
Flaming Gorge	3749.0	1984.6	2934.0	1588.0

*Less than 15 years

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave.†
Big Sandy Opening	2/24	55	17.2	4.0	12.5
Blind Bull Summit Aerial	2/28	108	34.6	6.4	24.4
East Rim Divide	2/25	55	17.9	3.5	11.3
Elkhart Park G.S.	2/24	57	18.7	4.4	12.8
Grannier Meadows	3/03	41	13.4	5.5	11.8
Gros Ventre Summit	2/26	50	9.9	2.8	11.4
Kendall R.S.	2/26	59	12.2	2.7	11.6
Larsen Creek	2/24	46	14.2	3.0	11.7
Loomis Park	2/25	68	26.5	4.6	16.3
New Fork Lake	2/25	52	17.0	2.3	11.2
Pocket Creek	2/24	51	15.0	N.R.	11.3
Poison Meadows	3/01	108	39.4	7.8	26.3
Rowdy Creek	2/28	86	29.2	5.6	21.3
Snider Basin	3/01	65	21.8	3.0	15.5
Spring Creek Divide Pillow	3/01	-	24.2	4.8	-
South Pass	3/03	44	12.6	3.9	12.3
Triple Peaks	2/28	102	37.5	5.6	23.2

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

MARCH 1, 1978



YOUR WATER SUPPLY

THE MOUNTAIN SNOWPACK IS AT OR SLIGHTLY BELOW AVERAGE IN THE BEAR, BLACKS FORK AND HENRYS FORK WATERSHEDS AND 40% ABOVE NORMAL IN THE REMAINDER OF THE LOWER GREEN RIVER BASIN. STREAMFLOW VOLUMES ARE FORECAST NEAR NORMAL IN THE SOUTHWEST CORNER AND 30% ABOVE NORMAL ELSEWHERE.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	11.7	130	Apr-Sept	2.6	9.0
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Hams Fork below Pole Creek, near Frontier	91	132	Apr-Sept	-	69
Blacks Fork near Millburne	90	96	Apr-July	44	94
Flaming Gorge Inflow	1450	124	Apr-July	1233	1174
Smiths Fork near Border	150	130	Apr-Sept	27	116
Thomas Fork near State Line	42	130	Apr-Sept	3.8	32
Bear River at Utah-Wyoming State Line	113	101	Apr-July	41	112
Henry's Fork near Manila, Utah	45	100	Apr-Sept	3.6	45

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	4	380	98
Thomas & Smiths Forks	3	522	143

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	221.6	188.4	-
Flaming Gorge	3749.0	1984.6	2934.0	1588.0
Viva Naughton	42.4	20.2	30.1	29.8*

*For period of record - furnished by Utah Power & Light

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SOIL CONSERVATION SERVICE
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SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches) Last Yr.	Ave†
Big Park	2/27	71	25.8	5.2	18.1
Black's Fork Junction	2/28	33	8.5	2.4	8.2
Burts-Miller Ranch	2/28	19	4.3	1.2	-
CCC Camp	2/27	49	16.4	3.2	11.4
East Fork Black's Fork G.S.	2/28	34	8.5	3.3	7.5
Hayden Fork	2/28	48	14.6	5.0	-
Hewinta G.S.	2/28	31	7.3	2.4	7.4
Hickerson Park	2/28	22	4.6	1.7	5.1
Kelley R.S.	2/27	66	24.0	4.2	16.8
Poison Meadows	3/01	108	39.4	7.8	26.3
Salt River Summit	2/27	62	21.2	4.2	14.6
South Thomas Fork	2/28	62	21.0	3.0	-
Spirit Lake	2/28	35	8.4	3.4	10.0
Stillwater Camp	2/28	36	10.1	3.1	-
Trial Lake	3/01	-	24.8	5.1	20.5

+ 1958-1972 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR			PAST REC.	
		Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	Last Yr.	
					Last Yr.	Ave. T
Afton Ranger Station	2/27	25	5.6	0.8	4.2	
Albany	2/23	51	16.7	5.6	13.7	c
Arizona	2/28	78	24.3	4.3	16.5	
Arrastre Lake Pillow	- No Report	-	-	10.8	-	
Aster Creek	2/28	89	26.4	5.2	26.6	
Bald Mountain*	2/28	84	26.3	21.0	19.2	
Bald Mountain Pillow	- No Report	-	-	17.5	-	
Base Camp	2/28	79	27.1	5.3	17.8	
Battle Mountain*	2/24	40	12.5	3.8	-	
Bearlodge Divide	2/28	21	4.4	4.2	3.4	a
Bear Trap Aerial	2/23	38	9.5	6.3	7.9	a
Big Goose*	2/27	32	6.1	4.9	6.5	
Big Park*	2/27	71	25.8	5.2	18.1	
Big Sandy Opening*	2/24	55	17.2	4.0	12.5	
Big Sandy Opening Pillow	2/24	-	13.0	9.9	-	
Big Warm Springs*	2/25	27	6.7	0.6	5.9	
Blackrock	2/28	77	26.7	8.1	18.6	
Black's Fork Junction	2/28	33	8.5	2.4	8.2	a
Blind Bull Summit Aerial	2/28	108	34.6	6.4	24.4	a
Blind Bull Summit Pillow	- No Report	-	-	-	-	
Blue Ridge*	2/27	33	9.8	4.0	10.0	
Bone Spring Divide*	2/27	64	19.2	13.8	15.8	
Boxelder	2/26	22	7.0	5.1	5.9	
Brooklyn Lake*	2/23	72	26.5	5.7	18.8	
Brooklyn Lake Pillow	- No Report	-	-	7.8	-	
Bryan Flat *	2/27	40	12.5	2.0	8.7	
Buck Creek	2/26	28	6.8	5.8	-	
Burgess Ranger Station	2/27	36	8.3	8.4	6.8	
Burgess R.S. Pillow	- No Report	-	-	10.4	-	
Burroughs Creek	2/26	58	20.6	2.5	11.9	
Burroughs Creek Pillow	2/26	-	19.0	3.6	-	
Burts-Miller Ranch	2/28	19	4.3	1.2	-	
Butter Hill*	2/24	48	15.7	5.2	-	
Cameron Pass	3/01	82	29.1	10.9	22.5	
Canyon	3/01	61	19.1	5.7	13.9	
Canyon Pillow	- No Report	-	-	3.4	-	
Carter Mountain	- Delayed	-	-	1.4	3.6	
Casper Mountain	2/28	33	7.7	9.7	11.3	
Casper Mountain Pillow	2/28	-	7.3	8.0	-	
Castle Creek	2/27	28	7.0	1.0	-	
CCC Camp*	2/27	49	16.4	3.2	11.4	
Chambers Lake	2/28	44	13.5	1.0	8.1	
Cloud Peak Aerial	2/23	37	8.9	6.9	10.2	a
Columbine Lodge	2/27	80	30.9	10.9	20.4	
Cooke Station	2/28	84	27.0	8.8	17.6	a
Cottonwood Lake Aerial	2/28	80	26.4	5.2	17.2	
Cottonwood Lake Pillow	- No Report	-	-	-	-	
Coulter Creek	2/28	85	28.4	6.8	19.7	
Crevice Mountain	2/27	56	13.3	6.8	9.2	
Darby Canyon	3/04	68	23.5	5.8	-	
Deadman Hill	2/27	48	15.4	3.9	14.1	
Deep Creek*	2/24	50	16.2	5.6	-	
Deep Lake* (e)	2/23	120	38.4	15.8	35.2	a
Dinwoody*	2/24	37	11.0	1.6	10.2	
Dinwoody Pillow	2/24	-	9.9	-	-	
Dome Lake	2/27	38	8.3	6.0	8.4	
Dome Lake Pillow	- No Report	-	-	6.3	-	
DuNoir	2/25	36	10.1	1.3	6.8	
East Entrance	3/01	50	15.1	3.4	9.2	
East Fork Black's Fork G.S.	2/28	34	8.5	3.3	7.5	a
East Rim Divide*	2/25	55	17.9	3.5	11.3	
Elbo Ranch	2/28	48	14.0	9.9	-	
Elkhart Park G.S.*	2/24	57	18.7	4.4	12.8	
Elkhorn*	2/24	80	29.8	10.0	-	
Elk River	2/28	67	21.1	7.4	15.9	
Evans	3/01	51	15.7	4.1	9.6	
Fisher Creek	2/28	121	41.7	17.2	32.6	

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR			PAST REC.	
		Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	Last Yr.	
					Last Yr.	Ave. T
Fisher Creek Pillow	2/28	-	37.1	17.0	30.5	
Five Springs Falls	2/28	42	10.5	8.3	7.4	
Four Mile Meadows	2/28	52	16.0	4.6	11.6	
Foxpark*	2/23	38	11.1	3.2	6.4	
Freds Mountain	3/04	84	28.8	6.8	-	
Geneva Pass Aerial	2/23	66	16.5	10.1	15.1	a
Geyser Creek	2/25	35	9.8	0.0	6.1	
Glade Creek	2/27	85	29.1	7.3	19.0	
Grannier Meadows*	3/03	41	13.4	5.5	11.8	
Grassy Lake	2/27	119	34.9	12.4	30.1	
Greys Boundary*	2/27	53	16.2	3.5	10.4	
Gros Ventre Summit*	2/26	50	9.9	2.8	11.4	
Gros Ventre Summit Pillow	2/26	-	13.9	2.9	-	
Grover Park Divide	2/27	52	16.2	3.6	11.3	
Hairpin Turn*	2/24	60	21.5	5.9	14.5	
Haskins Creek*	2/24	96	35.1	9.2	-	
Hayden Fork	2/28	48	14.6	5.0	-	
Hewinta Guard Station	2/28	31	7.3	2.4	7.4	a
Hickerson Park	2/28	22	4.6	1.7	5.1	a
Hobbs Park*	2/24	34	9.3	3.3	11.1	
Hobbs Park Pillow	- No Report	-	-	-	-	
Huckleberry Divide	2/28	79	26.1	6.2	18.8	
Indian Meadows	3/04	101	33.4	9.9	-	
Jackpine Creek	3/04	77	26.0	6.0	-	
Joe Wright	3/01	82	27.1	11.6	21.1	a
Kelley Ranger Station*	2/27	66	24.0	4.2	16.8	
Kelley R. S. Pillow	- No Report	-	-	2.5	-	
Kendall Ranger Station*	2/26	59	12.2	2.7	11.6	
LaBonte	2/23	24	5.8	3.7	4.3	
Lake Camp	2/28	47	12.3	2.8	8.2	
LaPrele Pillow	- No Report	-	-	-	-	
Larsen Creek	2/24	46	14.2	3.0	11.7	
Lewis Lake Divide	2/27	135	51.2	9.4	35.9	
Lewis Lake Divide Pillow	2/27	-	43.8	-	-	
Libby Lodge	2/24	45	14.7	3.1	9.9	
Little Warm	2/25	61	19.2	3.7	13.8	
Little Warm Pillow	- No Report	-	-	-	-	
Loomis Park*	2/25	68	26.5	4.6	16.3	
Lost Lake	2/28	47	14.0	3.0	10.2	
Lupine Creek	2/28	47	11.4	2.8	9.8	
Mallo Pillow	2/25	29	5.8	10.2	-	
Marquette Creek	- Delayed	-	-	2.6	-	
Medicine Lodge Lakes	2/23	49	14.0	6.8	10.6	
Middle Fork*	2/27	15	2.8	3.7	-	
Middle Powder	2/26	29	8.8	10.7	9.8	a
Middle Powder Pillow	- No Report	-	-	11.4	-	
Miles Creek	3/04	52	17.1	4.8	-	
Monte Cristo	2/23	64	25.0	4.9	22.3	
Moran	2/28	56	16.7	4.1	11.9	
Moran Bay	- No Report	-	-	6.9	19.2	
Moss Lake*	2/23	80	28.5	9.2	21.4	a
Mount Tom Pillow	- No Report	-	-	7.7	-	
Muddy Creek Guard Station*	2/23	19	4.2	0.1	3.4	
New Fork Lake*	2/25	52	17.0	2.3	11.2	a
Norris Basin	3/01	44	14.8	4.0	9.9	
North Barrett Creek	2/23	65	18.8	11.1	17.8	
Northeast Entrance	3/03	48	13.4	5.0	8.4	
Northeast Entrance Pillow	- Delayed	-	-	5.1	8.3	
North French Creek Pillow	2/24	-	25.5	10.5	19.0	
Northgate	3/01	28	6.1	2.1	5.5	
North Tongue*	2/27	48	12.7	11.0	11.7	a
Old Battle*	2/24	94	37.6	9.5	28.6	a
Old Battle Pillow	2/24	-	30.0	4.0	-	
Old Faithful	3/02	51	18.5	4.0	-	
Onion Gulch*	2/23	36	8.5	5.3	8.4	
Owl Creek	2/28	18	3.2	1.7	4.6	
Parkers Peak Aerial	3/02	108	36.7	12.5	-	

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave†
Park View	2/28	36	8.0	2.5	7.8
Phillips Bench	2/28	96	35.8	9.5	-
Phillips Bench Pillow	2/28	96	36.2	6.9	-
Pitchstone Plateau Aerial	3/02	187	71.1	15.1	-
Pocket Creek*	2/24	51	15.0	-	11.3 a
Poison Meadows*	3/01	108	39.4	7.8	26.3
Pole Mountain	2/24	20	4.8	3.0	4.7
Powder River Pass*	2/23	47	13.2	6.8	11.8 a
Powder River Pass Pillow	- No Report	-	-	7.2	-
Purgatory Gulch	2/24	31	8.9	3.1	-
Rabbit Ears	2/27	89	30.3	9.5	21.8
Ranger Creek	2/27	45	10.9	5.8	8.9
Reuter Canyon	2/27	31	8.4	11.8	8.8 a
Roach	2/27	58	18.0	6.5	8.8
Rock Creek*	2/23	77	23.8	12.3	21.2
Rowdy Creek	2/28	86	29.2	5.6	21.3 b
Ryan Park*	2/23	45	12.3	5.8	9.9 a
Salt River Summit	2/27	62	21.2	4.2	14.6
Salt River Summit Pillow	- No Report	-	-	4.0	-
Sandstone Ranger Station	2/24	54	18.2	6.0	-
Sawmill Divide	2/27	50	12.4	9.6	-
Sawmill Glade*	2/27	18	5.7	4.8	7.3
Shell Creek*	2/27	61	18.1	7.6	13.5
Shell Creek Pillow	- No Report	-	-	8.7	-
Sheridan Ranger Station	2/25	34	9.2	1.6	6.8
Snake River Station	2/27	84	27.6	6.3	18.3
Snider Basin Ranger Sta.*	3/01	65	21.8	3.0	15.5
Snow King Mountain	2/27	55	18.7	3.3	13.3 a
Soldier Park*	2/23	30	6.0	2.1	5.0
Sour Dough*	2/23	28	6.3	1.7	5.9
South Brush Creek Pillow	2/23	-	10.6	8.7	-
South Pass	3/03	44	12.6	3.9	12.3
South Thomas Fork*	2/28	62	21.0	3.0	-
Spirit Lake	2/28	35	8.4	3.4	10.0 a
Spring Creek Div. Pillow	3/01	-	24.2	4.8	-
State Line	3/04	49	14.9	2.6	12.8
Steamboat Point*	2/27	33	8.1	6.5	6.9
Steel Creek Park	2/28	50	14.1	-	12.2 a
Stillwater Camp	2/28	36	10.1	3.1	-
St. Lawrence Ranger Sta.	2/24	20	3.4	1.5	5.6
St. Lawrence R.S. Pillow	2/24	-	4.5	-	-
Sucker Creek	2/27	48	11.8	11.9	11.8
Sucker Creek Pillow	- No Report	-	-	12.4	-
Sweetwater Mtn. Pillow	2/25	26	3.0	7.1	-
Sylvan Lake Pillow	- No Report	-	-	8.6	-
Sylvan Pass	3/01	61	17.8	5.2	11.9
T-Cross Ranch	2/26	40	10.6	0.1	5.7
Teton Pass W.S.	2/28	88	30.8	6.9	-
Thumb Divide	2/28	62	20.3	3.5	19.0
Timber Creek	2/28	12	1.7	0.2	2.7
Togwotee Pass	2/01	97	35.4	11.1	25.4
Togwotee Pass Pillow	3/01	-	29.6	8.7	-
Townsend Creek	2/27	21	4.2	3.6	-
Trial Lake	3/01	-	24.8	5.1	20.5
Triple Peaks*	2/28	102	37.5	56.0	23.2
Turpin Meadows	2/28	48	14.9	4.1	9.6
Twenty-One Mile	3/01	63	22.2	5.0	16.1
Two Ocean Plateau Aerial	3/02	102	35.7	8.6	30.4 a
Tyrell Ranger Station	2/23	37	9.7	4.7	7.7
Upper Spearfish	2/23	27	5.4	8.8	6.5
Warren Peak	2/27	27	7.0	10.8	9.3 a
Webber Spring*	2/24	65	25.3	7.0	17.4
Webber Spring Pillow	2/24	-	28.9	5.8	-
West Yellowstone	3/01	74	15.1	3.2	10.6
Whiskey Creek*	2/24	85	31.6	11.4	-
White Mill	2/28	104	32.3	10.4	24.1
White Mill Pillow	2/28	-	28.7	11.0	-
Willow Creek Pass	2/28	48	12.0	3.8	10.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave†
Wolverine	3/01	54	16.2	4.0	11.1 b
Wood Rock Guard Station*	2/27	43	9.9	7.3	9.3
Young's Ranch	2/28	82	25.4	4.6	-
Younts Peak Aerial	3/02	66	23.8	10.0	-

* Snow course has been shortened or revised; prior records and averages adjusted.

a Less than 15 years in period of average.

b 1958-72 adjusted average.

c Partly estimated.

(e) Estimated water content for this year.

Aerial - Aerial observation; water content estimated.

BASIC DATA SUPPLEMENT 2

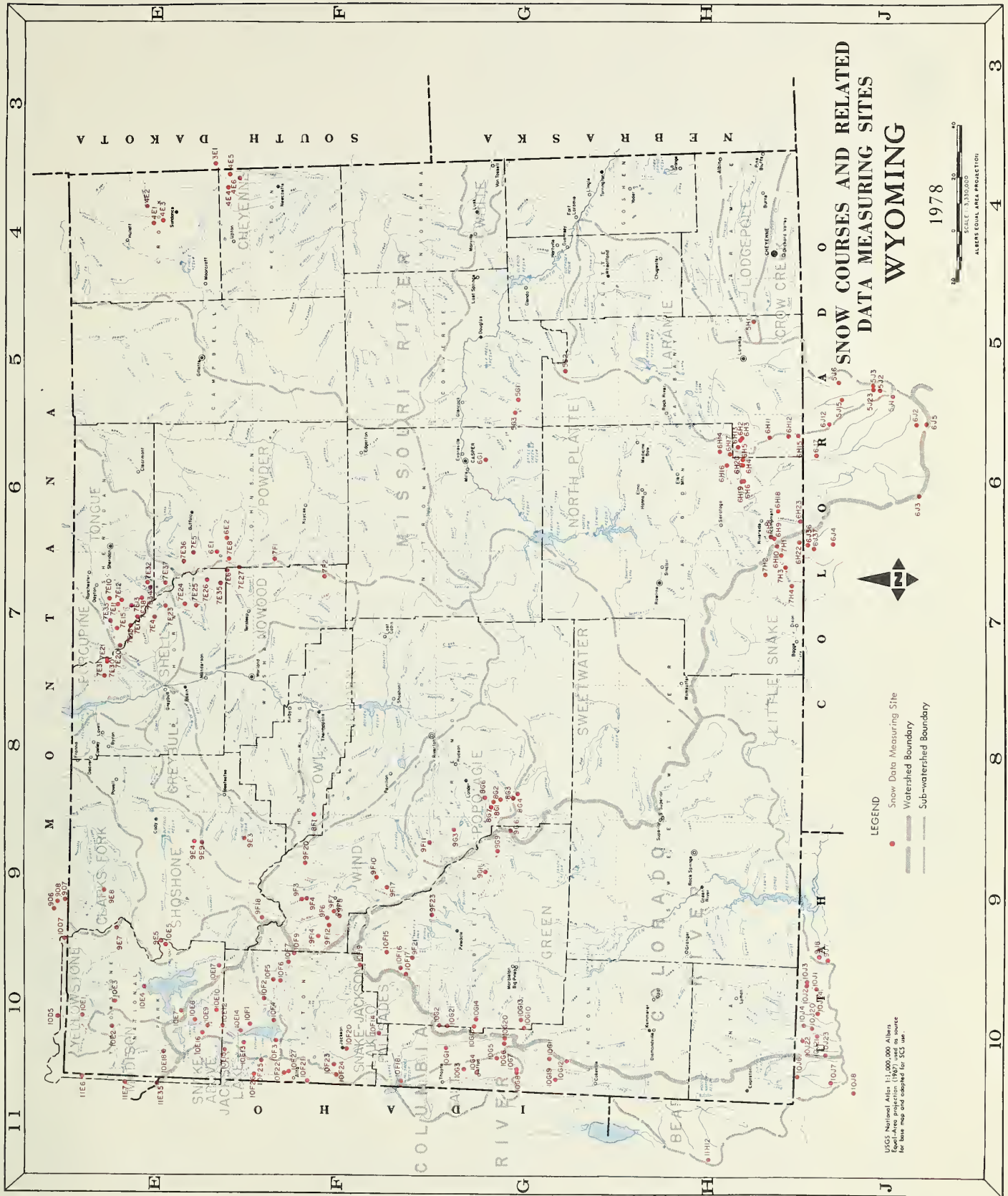
PRECIPITATION (Inches) FOR MONTH OF FEBRUARY

PRECIPITATION (Inches) FOR MONTH OF FEBRUARY		CURRENT INFORMATION		PAST RECORD	
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Precipitation	Last Year	Average †
<u>LOWER YELLOWSTONE</u>					
Bald Mountain	9375	- No Report -		2.87	
Burgess R.S.	7880	- No Report -		2.25	
Burroughs Creek	8750	2/26	2.75	0.44	
Carter Mountain	7950	2/27	0.65	0.10	
Dinwoody	10000	- No Report -		--	
Dome Lake	8850	- No Report -		--	
Hobbs Park	10100	2/24	2.62	--	
Little Warm	9425	- No Report -		--	
Louis Lake	8500	3/03	2.00	--	
Middle Powder	7800	- No Report -		3.75	
Onion Gulch	8780	- No Report -		0.95	
Powder River Pass	9475	- No Report -		1.00	
Shell Creek	9600	- No Report -		--	
St. Lawrence R.S.	8960	2/24	1.00	--	
Sucker Creek	8880	- No Report -		--	
Sylvan Lake	8420	- No Report -		1.13	
Timber Creek	7950	3/01	1.25	0.30	
Togwotee Pass	9600	3/01	4.95	1.60	
<u>NORTH PLATTE</u>					
Arrastre Lake	10275	- No Report -		2.50	
Brooklyn Lake	10220	- No Report -		2.88	
Casper Mountain	7850	2/28	1.81	2.50	
North French Creek	10130	- No Report -		2.30	
Old Battle	9900	2/24	1.25	2.40	
Pole Mountain	8360	2/24	0.75	0.10	
Rock Creek	10100	2/23	7.92	1.56	
South Brush Creek	8440	2/23	3.62	1.50	
Webber Spring	9240	2/24	2.94	1.75	
<u>GREEN RIVER</u>					
Battle Mountain	7440	2/24	3.19	1.50	
Big Sandy Opening	9100	- No Report -		--	
East Rim Divide	7950	- No Report -		0.50	
Elkhart Park G.S.	9400	- No Report -		--	
Gros Ventre	8775	2/26	6.75	0.37	
Haskins Creek	8800	- No Report -		2.25	
Sandstone R.S.	8140	- No Report -		1.97	
Snider Basin	8060	3/01	1.90	0.55	
Spring Creek Divide	9000	- No Report -		1.31	
<u>SNAKE RIVER</u>					
Grassy Lake	7265	2/27	7.75	2.05	
Grover Park Divide	7000	2/27	3.50	0.60	
Lewis Lake Divide	7860	2/27	7.10	2.20	
Moran (NWS)	6500	2/28	4.22	0.55	
Phillips Bench	8200	2/28	5.75	--	
Salt River Summit	7600	2/27	3.50	0.75	
Snake River Station(NWS)	6920	2/27	4.82	0.97	
<u>BEAR RIVER</u>					
Kelley R.S.	8180	2/27	3.30	0.38	
<u>BELLE FOURCHE</u>					
Bearlodge Divide	4680	2/28	1.20	1.03	
Sweetwater Mountain	5860	2/25	0.38	0.62	
Warren Peak	6520	2/27	1.25	0.60	

(NWS) National Weather Service gage

(NWS) National Weather Service gage

† 1958-1972 period.



INDEX TO WYOMING SNOW COURSES AND DATA SITES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	SEC. LAT.	TWP.	RANGE LONG.
MISSOURI RIVER DRAINAGE					
Black Bear m	1001	7400	44°44' N	135	110°30' W
Norris Basin	1002	7500	44°45' N	135	110°42' W
Old Faithful	1003	7600	44°46' N	135	110°49' W
21 Mile m	1004	7700	44°47' N	135	110°56' W
West Yellowstone m	1005	7800	44°48' N	135	111°03' W
Yellowstone					
Canyon	1006	7900	44°49' N	135	111°10' W
Craters	1007	8000	44°50' N	135	111°17' W
East Entrance	1008	8100	44°51' N	135	111°24' W
Lupine Creek	1009	8200	44°52' N	135	111°31' W
Northeast Entrance m	1010	8300	44°53' N	135	111°38' W
Parker's Peak	1011	8400	44°54' N	135	111°45' W
Parkettes Plateau	1012	8500	44°55' N	135	111°52' W
Two Ocean Plateau	1013	8600	44°56' N	135	111°59' W
Sylvan Pass	1014	8700	44°57' N	135	112°06' W
Clork's Fork					
Goose Station m	907	8150	19	95	13E
Fisher's Creek m	908	8159	11	95	14E
Parker's Peak	909	8160	44°44' N	95	109°55' W
White Hill m	910	8161	44°45' N	95	109°56' W
Molaverie	911	8162	44°46' N	95	109°57' W
Wind River					
Big Warm	912	8370	29	42N	108E
Burrheads Creek	913	8371	43°41' N	42N	108°40' W
Divide	914	8372	43°42' N	42N	108°41' W
Divide	915	8373	43°43' N	42N	108°42' W
Quincy	916	8374	43°44' N	42N	108°43' W
Geyser Creek	917	8375	43°45' N	42N	108°44' W
Little Warm	918	8376	43°46' N	42N	108°45' W
Shoshone S.	919	8377	43°47' N	42N	108°46' W
T-Cross Ranch	920	8378	43°48' N	42N	108°47' W
Togotene Pass	921	8379	43°49' N	42N	108°48' W
Popo Agie River					
Blum Ridge	802	9620	23	31N	101W
Bluffs Park	803	9621	23	31N	101W
Middle Fork	804	9622	23	31N	101W
Samuel's Glade	805	9623	23	31N	101W
St. Lawrence R.S.	806	9624	23	31N	101W
Townsend Creek	807	9625	23	31N	101W
Owl Creek					
Owl Creek	808	9626	23	31N	101W
Greybull River					
Greybull River	809	9627	23	31N	101W
Shoshone River					
Shoshone River	810	9628	23	31N	101W
East Entrance	811	9629	23	31N	101W
Marquette Creek	812	9630	23	31N	101W
Sylvan Pass	813	9631	23	31N	101W
Mount's Peak	814	9632	23	31N	101W
Nowood Creek					
Bear Trap	701	7900	3	43N	85W
Gold Springs Camp	702	7901	3	43N	85W
Gold Springs Lakes	703	7902	3	43N	85W
Middle Powder	704	7903	3	43N	85W
Munkles Pass	705	7904	3	43N	85W
Onton Gulch	706	7905	3	43N	85W
Powder River Pass	707	7906	3	43N	85W
West Tennesseep Lake	708	7907	3	43N	85W
Shell Creek					
Bald Mountain	709	7908	3	43N	85W
Bone Springs Divide	710	7909	3	43N	85W
Bone Springs Divide	711	7910	3	43N	85W
Ranger Creek	712	7911	3	43N	85W
Percupine Creek					
Five Springs Falls	713	7912	3	43N	85W
Medicine Wheel	714	7913	3	43N	85W
Tongue River					
Beaver-Tongue Divide	715	7914	3	43N	85W
Bone Springs Divide	716	7915	3	43N	85W
Bone Springs Divide	717	7916	3	43N	85W
Bone Springs Divide	718	7917	3	43N	85W
Bone Springs Divide	719	7918	3	43N	85W
Bone Springs Divide	720	7919	3	43N	85W
Bone Springs Divide	721	7920	3	43N	85W
Bone Springs Divide	722	7921	3	43N	85W
Bone Springs Divide	723	7922	3	43N	85W
Bone Springs Divide	724	7923	3	43N	85W
Bone Springs Divide	725	7924	3	43N	85W
Bone Springs Divide	726	7925	3	43N	85W
Bone Springs Divide	727	7926	3	43N	85W
Bone Springs Divide	728	7927	3	43N	85W
Bone Springs Divide	729	7928	3	43N	85W
Bone Springs Divide	730	7929	3	43N	85W
Bone Springs Divide	731	7930	3	43N	85W
Bone Springs Divide	732	7931	3	43N	85W
Bone Springs Divide	733	7932	3	43N	85W
Bone Springs Divide	734	7933	3	43N	85W
Bone Springs Divide	735	7934	3	43N	85W
Bone Springs Divide	736	7935	3	43N	85W
Bone Springs Divide	737	7936	3	43N	85W
Bone Springs Divide	738	7937	3	43N	85W
Bone Springs Divide	739	7938	3	43N	85W
Bone Springs Divide	740	7939	3	43N	85W
Bone Springs Divide	741	7940	3	43N	85W
Bone Springs Divide	742	7941	3	43N	85W
Bone Springs Divide	743	7942	3	43N	85W
Bone Springs Divide	744	7943	3	43N	85W
Bone Springs Divide	745	7944	3	43N	85W
Bone Springs Divide	746	7945	3	43N	85W
Bone Springs Divide	747	7946	3	43N	85W
Bone Springs Divide	748	7947	3	43N	85W
Bone Springs Divide	749	7948	3	43N	85W
Bone Springs Divide	750	7949	3	43N	85W
Bone Springs Divide	751	7950	3	43N	85W
Bone Springs Divide	752	7951	3	43N	85W
Bone Springs Divide	753	7952	3	43N	85W
Bone Springs Divide	754	7953	3	43N	85W
Bone Springs Divide	755	7954	3	43N	85W
Bone Springs Divide	756	7955	3	43N	85W
Bone Springs Divide	757	7956	3	43N	85W
Bone Springs Divide	758	7957	3	43N	85W
Bone Springs Divide	759	7958	3	43N	85W
Bone Springs Divide	760	7959	3	43N	85W
Bone Springs Divide	761	7960	3	43N	85W
Bone Springs Divide	762	7961	3	43N	85W
Bone Springs Divide	763	7962	3	43N	85W
Bone Springs Divide	764	7963	3	43N	85W
Bone Springs Divide	765	7964	3	43N	85W
Bone Springs Divide	766	7965	3	43N	85W
Bone Springs Divide	767	7966	3	43N	85W
Bone Springs Divide	768	7967	3	43N	85W
Bone Springs Divide	769	7968	3	43N	85W
Bone Springs Divide	770	7969	3	43N	85W
Bone Springs Divide	771	7970	3	43N	85W
Bone Springs Divide	772	7971	3	43N	85W
Bone Springs Divide	773	7972	3	43N	85W
Bone Springs Divide	774	7973	3	43N	85W
Bone Springs Divide	775	7974	3	43N	85W
Bone Springs Divide	776	7975	3	43N	85W
Bone Springs Divide	777	7976	3	43N	85W
Bone Springs Divide	778	7977	3	43N	85W
Bone Springs Divide	779	7978	3	43N	85W
Bone Springs Divide	780	7979	3	43N	85W
Bone Springs Divide	781	7980	3	43N	85W
Bone Springs Divide	782	7981	3	43N	85W
Bone Springs Divide	783	7982	3	43N	85W
Bone Springs Divide	784	7983	3	43N	85W
Bone Springs Divide	785	7984	3	43N	85W
Bone Springs Divide	786	7985	3	43N	85W
Bone Springs Divide	787	7986	3	43N	85W
Bone Springs Divide	788	7987	3	43N	85W
Bone Springs Divide	789	7988	3	43N	85W
Bone Springs Divide	790	7989	3	43N	85W
Bone Springs Divide	791	7990	3	43N	85W
Bone Springs Divide	792	7991	3	43N	85W
Bone Springs Divide	793	7992	3	43N	85W
Bone Springs Divide	794	7993	3	43N	85W
Bone Springs Divide	795	7994	3	43N	85W
Bone Springs Divide	796	7995	3	43N	85W
Bone Springs Divide	797	7996	3	43N	85W
Bone Springs Divide	798	7997	3	43N	85W
Bone Springs Divide	799	7998	3	43N	85W
Bone Springs Divide	800	7999	3	43N	85W
Bone Springs Divide	801	8000	3	43N	85W
Bone Springs Divide	802	8001	3	43N	85W
Bone Springs Divide	803	8002	3	43N	85W
Bone Springs Divide	804	8003	3	43N	85W
Bone Springs Divide	805	8004	3	43N	85W
Bone Springs Divide	806	8005	3	43N	85W
Bone Springs Divide	807	8006	3	43N	85W
Bone Springs Divide	808	8007	3	43N	85W
Bone Springs Divide	809	8008	3	43N	85W
Bone Springs Divide	810	8009	3	43N	85W
Bone Springs Divide	811	8010	3	43N	85W
Bone Springs Divide	812	8011	3	43N	85W
Bone Springs Divide	813	8012	3	43N	85W
Bone Springs Divide	814	8013	3	43N	85W
Bone Springs Divide	815	8014	3	43N	85W
Bone Springs Divide	816	8015	3	43N	85W
Bone Springs Divide	817	8016	3	43N	85W
Bone Springs Divide	818	8017	3	43N	85W
Bone Springs Divide	819	8018	3	43N	85W
Bone Springs Divide	820	8019	3	43N	85W
Bone Springs Divide	821	8020	3	43N	85W
Bone Springs Divide	822	8021	3	43N	85W
Bone Springs Divide	823	8022	3	43N	85W
Bone Springs Divide	824	8023	3	43N	85W
Bone Springs Divide	825	8024	3	43N	85W
Bone Springs Divide	826	8025	3	43N	85W
Bone Springs Divide	827	8026	3	43N	85W
Bone Springs Divide	828	8027	3	43N	85W
Bone Springs Divide	829	8028	3	43N	85W
Bone Springs Divide	830	8029	3	43N	85W
Bone Springs Divide	831	8030	3	43N	85W
Bone Springs Divide	832	8031	3	43N	85W
Bone Springs Divide	833	8032	3	43N	85W
Bone Springs Divide	834	8033	3	43N	85W
Bone Springs Divide	835	8034	3	43N	85W
Bone Springs Divide	836	8035	3	43N	85W
Bone Springs Divide	837	8036	3	43N	85W
Bone Springs Divide	838	8037	3	43N	85W
Bone Springs Divide	839	8038	3	43N	85W
Bone Springs Divide	840	8039	3	43N	85W
Bone Springs Divide	841	8040	3	43N	85W
Bone Springs Divide	842	8041	3	43N	85W
Bone Springs Divide	843	8042	3	43N	85W
Bone Springs Divide	844	8043	3	43N	85W
Bone Springs Divide	845	8044	3	43N	85W
Bone Springs Divide	846	8045	3	43N	85W
Bone Springs Divide	847	8046	3	43N	85W
Bone Springs Divide	848	8047	3	43N	85W
Bone Springs Divide	849	8048	3	43N	85W
Bone Springs Divide	850	8049	3	43N	85W
Bone Springs Divide	851	8050	3	43N	85W
Bone Springs Divide	852	8051	3	43N	85W
Bone Springs Divide	853	8052	3	43N	85W
Bone Springs Divide	854	8053	3	43N	85W
Bone Springs Divide	855	8054	3	43N	85W
Bone Springs Divide	856	8055	3	43N	85W
Bone Springs Divide	857	8056	3	43N	85W
Bone Springs Divide	858	8057	3	43N	85W
Bone Springs Divide	859	8058	3	43N	85W
Bone Springs Divide	860	8059	3	43N	85W
Bone Springs Divide	861	8060	3	43N	85W
Bone Springs Divide	862	8061	3	43N	85W
Bone Springs Divide	863	8062	3	43N	85W
Bone Springs Divide	864	8063	3	43N	85W
Bone Springs Divide	865	8064	3	43N	85W
Bone Springs Divide	866	8065	3	43N	85W
Bone Springs Divide	867	8066	3	43N	85W
Bone Springs Divide	868	8067	3	43N	85W
Bone Springs Divide	869	8068	3	43N	85W
Bone Springs Divide	870	8069	3	43N	85W
Bone Springs Divide	871	8070	3	43N	85W
Bone Springs Divide	872	8071	3	43N	85W
Bone Springs Divide	873	8072	3	43N	85W
Bone Springs Divide	874	8073	3	43N	85W
Bone Springs Divide	875	8074	3	43N	85W
Bone Springs Divide	876	8075	3	43N	85W
Bone Springs Divide	877	8076	3	43N	85W

Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Indian Service

STATE

State Engineer of Wyoming

University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

PRIVATE

Irrigation Districts
Greybull Valley Irrigation District
Wheatland Irrigation District

Conservation Districts
Big Piney
Big Sandy
Bridger Valley
Clearwater
Cody
Dubois-Crowheart
Greybull-Shell
Lake DeSmet
LaPrele-Glenrock
Laramie Rivers
Lincoln
Little Snake River
Medicine Bow
Pinedale
Platte County
Powder River
Powell-Clarks Fork
Riverton
Saratoga-Encampment-Rawlins
Shoshone
Teton
Washakie

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SOIL CONSERVATION SERVICE

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